

# United States Patent [19]

Andolfi

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## [54] PATIENT TRANSFER WALKER

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135/75; 601/5; 280/87.05; 5/86.1; 414/921

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## [57] ABSTRACT

A walker for a handicapped person has a pair of base rails juxtaposed, and a pair of front posts extend therefrom. Each front post is attached to a front of a respective rail. A first pair of rotation-changeable motors drives a pair of actuators, initially pointing upwardly. A first pair of gear reduction devices, which in combination with a pair of rear posts, can be rendered tiltable, has respective input shafts coupled to respective output shafts of the motors. The pair of tiltable rear posts are extendable or retractable by rotation-sense selection of the first pair of motors. A pair of crutch supports are in contact with the rear posts, Which fit under the armpits of the handicapped person. A pair of levers which extend outwardly and downwardly from the pair of crutch supports, respectively, are bent rearwardly, and equipped with handles. A second pair of rotation-changeable motors are attached to the pair of front posts, respectively, and a second pair of length-adjustable gear-reduction mechanisms are coupled to the second pair of motors, and also to the pair of the rear posts, respectively, so as to be operative, upon length adjustment, between forward-and rearward-positions. A switch is connected to the first and second pairs of motors for separate selection of the height and inclination of the rear posts, respectively, by selective choice of the motor's sense-of-rotation and travel.

16 Claims, 12 Drawing Sheets

